

### ABSTRACT OF THE DISCLOSURE

An object of the present invention is to obtain a fuel cell power generation equipment most suitable for a portable power source without requiring any auxiliary equipment such as a separator and a fluid feeder. According to the present invention, a fuel cell power generation equipment is provided, in which an anode for oxidizing fuel and a cathode for reducing oxygen are formed with an electrolyte membrane in between and liquid is used as a fuel, wherein one or more air vent holes are provided on a wall surface of a fuel container 1, multiple unit cells having an electrolyte membrane, an anode and a cathode are mounted on a wall surface of said fuel container, and the unit cells are electrically connected each other.